



NFPA FIRE HAZARD SYMBOL  
See NFPA 704 for detailed explanation.

# MATERIAL SAFETY DATA SHEET

No.: 3535 Rev. No.: 2  
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# Manville

## I. PRODUCT IDENTIFICATION

Trade Name(s): MICROLITE - R SERIES  
Generic Name: FIBROUS GLASS INSULATION - *fibrous glass*  
Chemical Name: NA

CAS #: NA  
Formula: MIXTURE

Manufacturer: MANVILLE BUILDING MATERIALS CORP.  
Address: P.O. BOX 5108  
City: DENVER

State: CO Zip: 80217

Telephone: (303)978-3120  
Emergency:

## II. PRODUCT INGREDIENTS

INGREDIENT NAME	CAS NUMBER	%	PEL and TLV (except as noted)
FIBROUS GLASS	65997-17-3	89	5mg/m <sup>3</sup> - NUISANCE
PHENOLFORMALDEHYDE RESIN-CURED	25104-55-6	11	RESPIRABLE DUST (OSHA)

## III. PHYSICAL DATA

Appearance and Odor: FIBER GLASS BLANKET - FSK OR VINYL FACED - SLIGHT PHENOLIC ODOR.

Boiling Point: NA  
Vapor Pressure: NA  
Water Solubility (%): NIL  
Vapor Density (Air=1): NA

Evaporation Rate ( = 1 ): NA  
Specific Gravity (water = 1 ): VAR  
Melting Point: >1300° F  
% Volatile by Volume: NA

## IV. FIRE AND EXPLOSION DATA

Flash Point (Method): NA NFPA Flammable/Combustible Liquid Classification: NA  
Flammable Limits: LEL: % UEL: NA % Auto-Ignition Temperature: NA  
Extinguishing Media: CO<sub>2</sub>, WATER, WATER FOG, DRY CHEMICAL ABC RATED.  
Unusual Fire or Explosion Hazards: RESIN AND PAPER OR PLASTIC FACINGS WILL BURN CAUSING DENSE ACRID SMOKE.  
Special Fire-Fighting Procedures: USE SELF-CONTAINED BREATHING APPARATUS.

## V. HEALTH HAZARDS A. Summary/Risks

Summary: CURRENT ANIMAL AND EPIDEMIOLOGICAL STUDIES INDICATE THAT GLASS FIBERS AND DUST DO NOT REPRESENT A HAZARD TO HEALTH.

THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY NTP, IARC AND OSHA.

Medical conditions which may be aggravated: PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASES SUCH AS, BUT NOT LIMITED TO, BRONCHITIS, EMPHYSEMA AND ASTHMA.

Target Organ(s): LUNGS & SKIN.

Acute Health Effects: IRRITATION TO SKIN AND UPPER RESPIRATORY SYSTEM.

Chronic Health Effects: NO LONG TERM EFFECTS HAVE BEEN IDENTIFIED.

Primary Entry Route(s): INHALATION, SKIN CONTACT.

## V. HEALTH HAZARDS B. Signs/Symptoms of Overexposure

Inhalation: IRRITATION OR TICKLE IN THROAT AND NOSE.

Skin Contact: TEMPORARY IRRITATION OR RASH.

Skin Absorption: NA

Ingestion: NOT HAZARDOUS WHEN INGESTED. MAY CAUSE TEMPORARY IRRITATION TO GI TRACT.

Eyes: TEMPORARY IRRITATION OR INFLAMMATION.

## V. HEALTH HAZARDS C. First Aid/Emergency Procedures

Inhalation: REMOVE TO FRESH AIR. DRINK WATER TO CLEAR THROAT AND BLOW NOSE.

Skin Contact: WASH EXPOSED AREAS GENTLY WITH SOAP AND WARM WATER.

Skin Absorption: NA

Ingestion: NA

Eyes: FLUSH EYES WITH COPIOUS QUANTITIES OF WATER A MINIMUM OF 15 MINUTES. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

## VI. REACTIVITY DATA

MATERIAL IS STABLE.

HAZARDOUS POLYMERIZATION CANNOT OCCUR.

Chemical Incompatibilities: HYDROFLUORIC ACID.

Conditions to Avoid: NONE IN DESIGNED USE.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, CARBON PARTICULATE & TRACES OF HYDROGEN CYANIDE DERIVED FROM PYROLYSIS OF THE RESIN AS IS TYPICAL OF DECOMPOSITION OF ANY ORGANIC CHEMICAL.

## VII. SPILL OR LEAK PROCEDURES

Procedures for Spill/Leak: VACUUM CLEAN DUST. IF SWEEPING IS NECESSARY USE A DUST SUPPRESSANT.

Waste Management: WASTES GENERATED DURING APPLICATION, DEMOLITION, BREAKAGE OR SPILLAGE ARE NOT HAZARDOUS WASTES AS DEFINED BY RCRA (40 CFR PART 261). COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. METHOD OF DISPOSAL-LANDFILL. RQ - N/A.

## VIII. SPECIAL PROTECTION INFORMATION

Goggles: GOGGLES OR FACE SHIELDS ARE RECOMMENDED PARTICULARLY WHEN WORKING OVERHEAD.

Gloves:

Respirator: USE A MASK SUCH AS 3M 8710 OR EQUIVALENT FOR PROTECTION AGAINST NUISANCE DUST. INSURE PROPER FIT.

Ventilation: USE SUFFICIENT NATURAL OR MECHANICAL VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW PEL (TLV).

Other: WEAR LOOSE FITTING, LONG SLEEVED CLOTHING.

Special Considerations for repair/maintenance of contaminated equipment:

## IX. SPECIAL PRECAUTIONS

Storage Segregation Hazard Classes: IRRITANT

\*\*\* ALWAYS SEGREGATE MATERIALS BY MAJOR HAZARD CLASS \*\*\*

Special Handling/Storage: KEEP MATERIAL DRY

Special Workplace Engineering Controls: NOT NORMALLY REQUIRED.

Other:

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